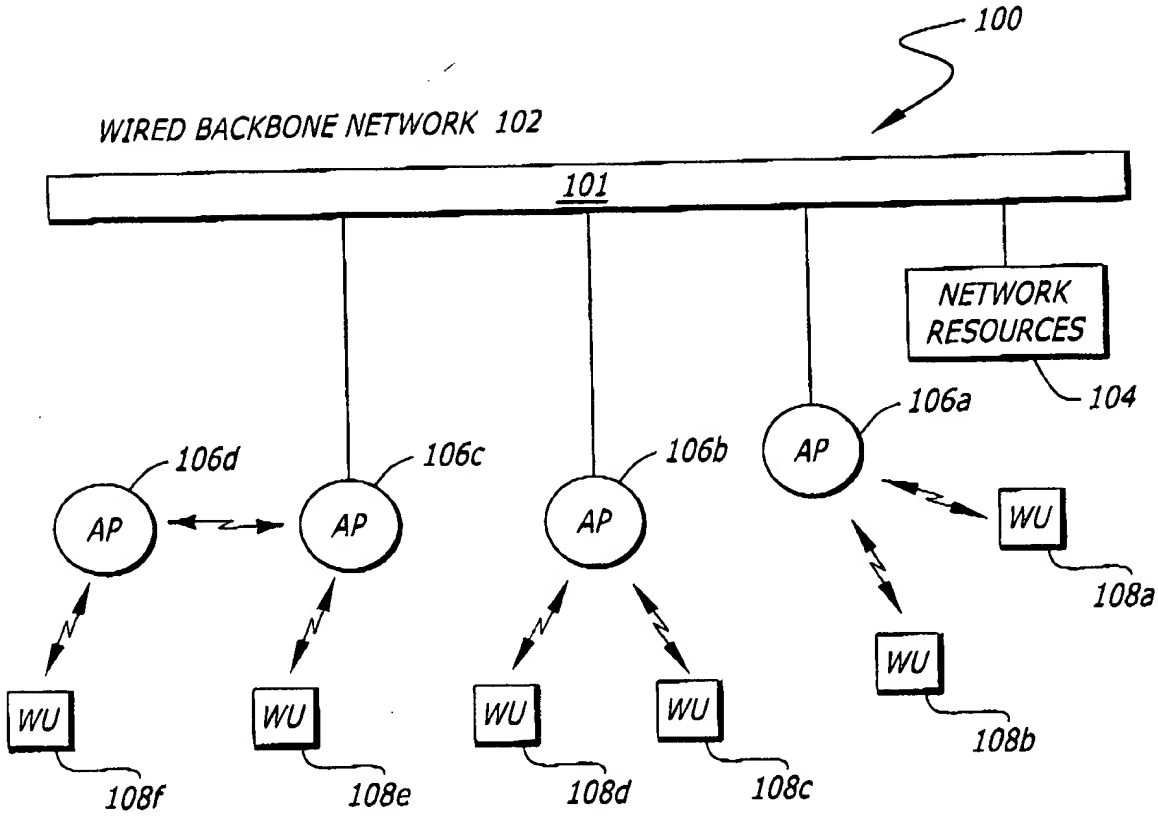
100
WIRED BACKBONE NETWORK 102
101
NETWORK RESOURCES
104
106a
AP
106b
AP
106c
AP
106d
AP
WU
108a
WU
108b
WU
108c
WU
108d
WU
108e
WU
108f

FIG. 1

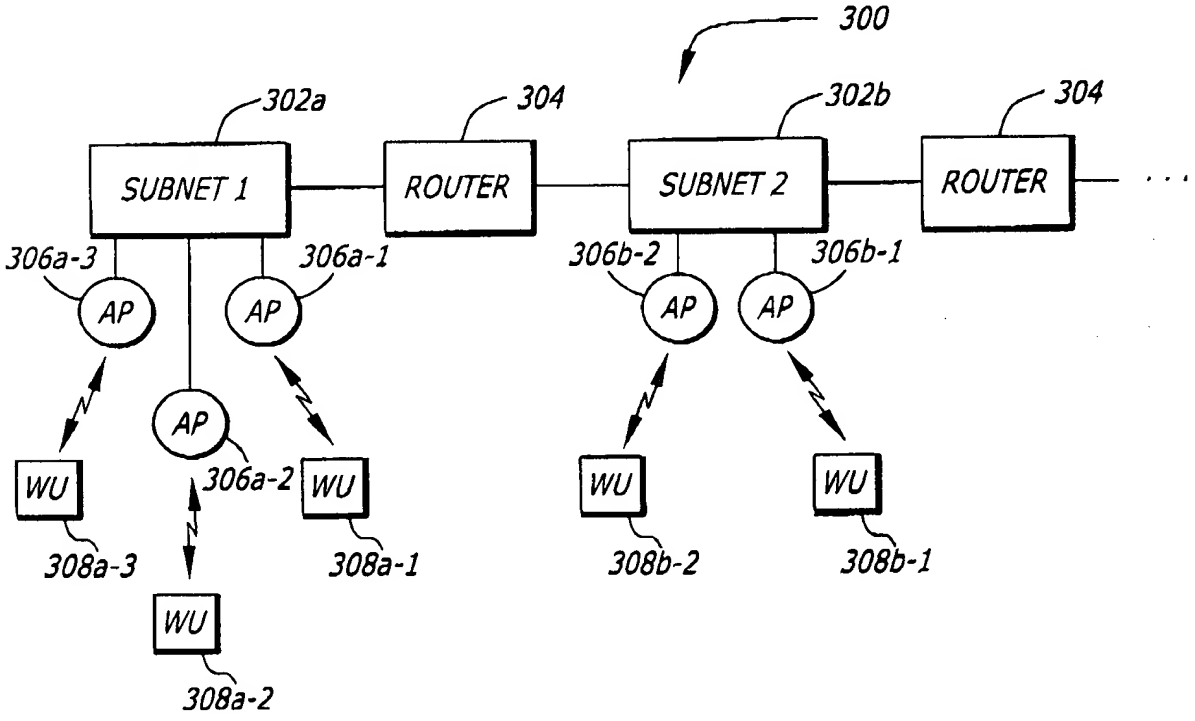
300
302a
SUBNET 1
304
ROUTER
302b
SUBNET 2
304
ROUTER
306a-3
306a-1
306b-2
306b-1
AP
AP
AP
AP
AP
306a-2
WU
308a-3
WU
308a-1
WU
308a-2
WU
308b-2
WU
308b-1

FIG. 3

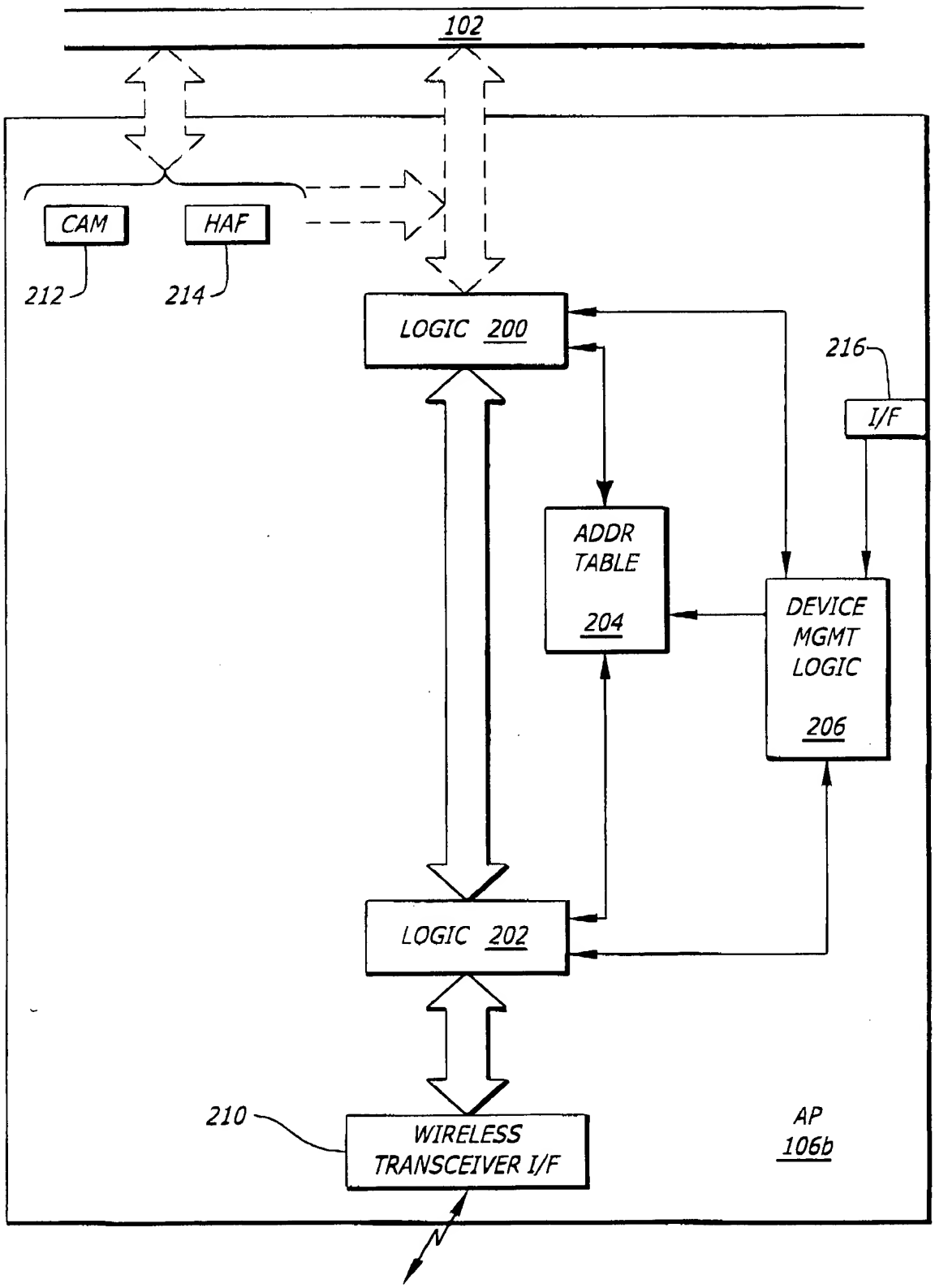
102
CAM
HAF
212
214
LOGIC 200
216
I/F
ADDR TABLE 204
DEVICE MGMT LOGIC 206
LOGIC 202
210
WIRELESS TRANSCEIVER I/F
AP 106b

FIG. 2

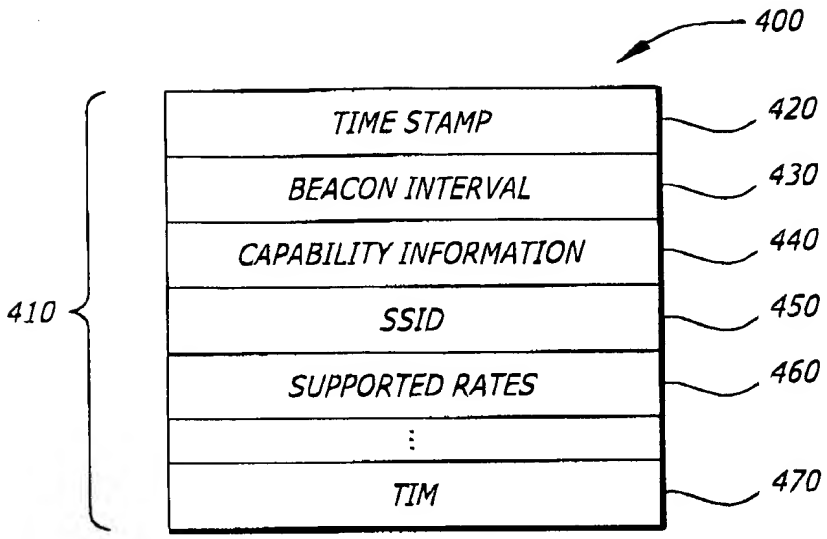
400
TIME STAMP
420
BEACON INTERVAL
430
CAPABILITY INFORMATION
440
SSID
450
SUPPORTED RATES
460
TIM
470
410

FIG. 4

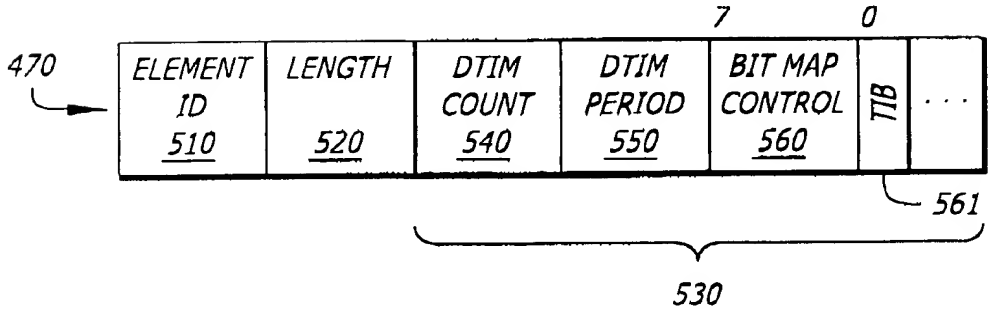
7
0
470
ELEMENT ID 510
LENGTH 520
DTIM COUNT 540
DTIM PERIOD 550
BIT MAP CONTROL 560
TIB
561
530

FIG. 5

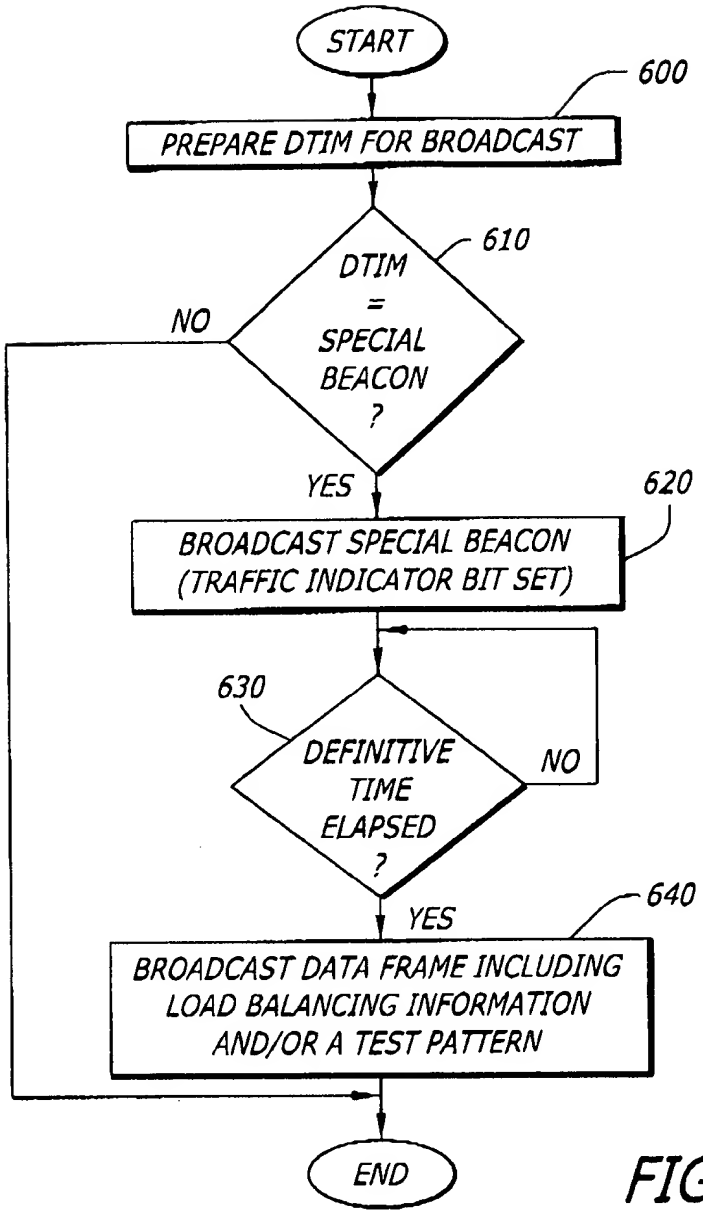
START
600
PREPARE DTIM FOR BROADCAST
610
DTIM = SPECIAL BEACON ?
NO
YES
620
BROADCAST SPECIAL BEACON (TRAFFIC INDICATOR BIT SET)
630
DEFINITIVE TIME ELAPSED ?
NO
YES
640
BROADCAST DATA FRAME INCLUDING LOAD BALANCING INFORMATION AND/OR A TEST PATTERN
END

FIG. 6

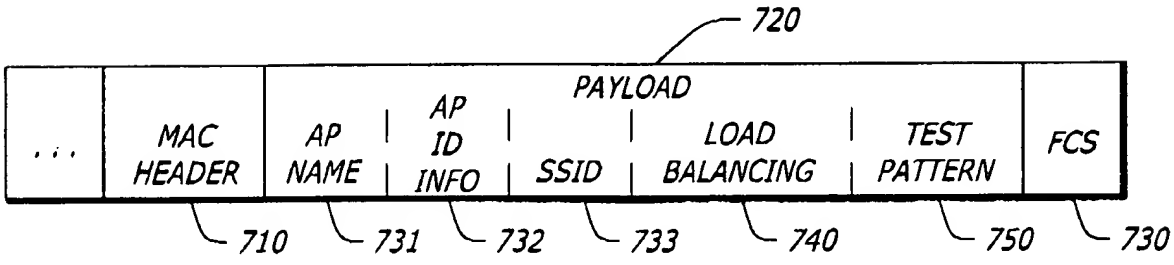
720
PAYLOAD
...
MAC HEADER
AP NAME
AP ID INFO
SSID
LOAD BALANCING
TEST PATTERN
FCS
710
731
732
733
740
750
730

FIG. 7

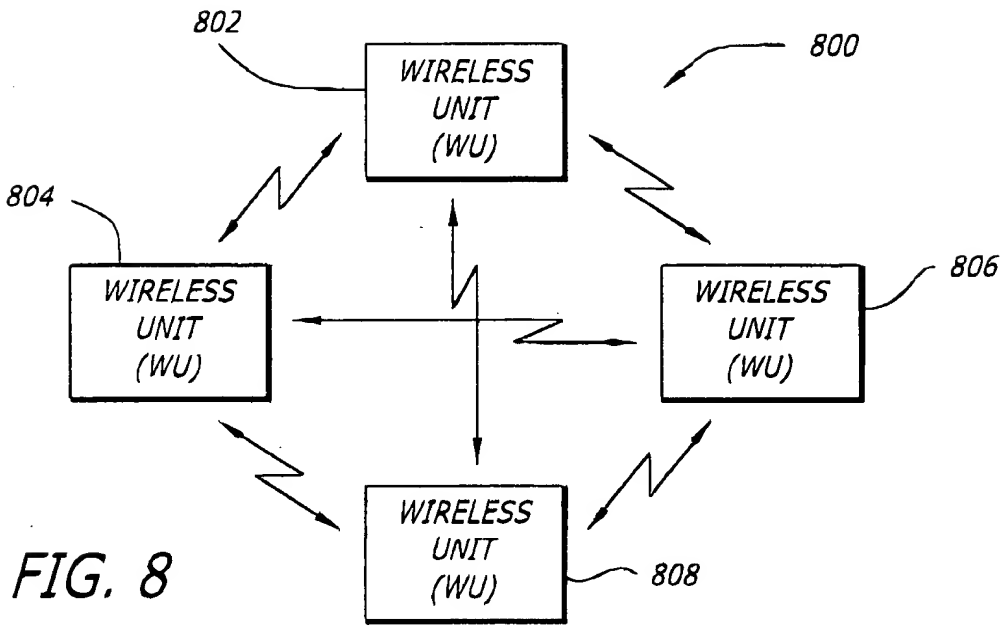
802
800
WIRELESS UNIT (WU)
804
806
WIRELESS UNIT (WU)
WIRELESS UNIT (WU)
WIRELESS UNIT (WU)
808

FIG. 8

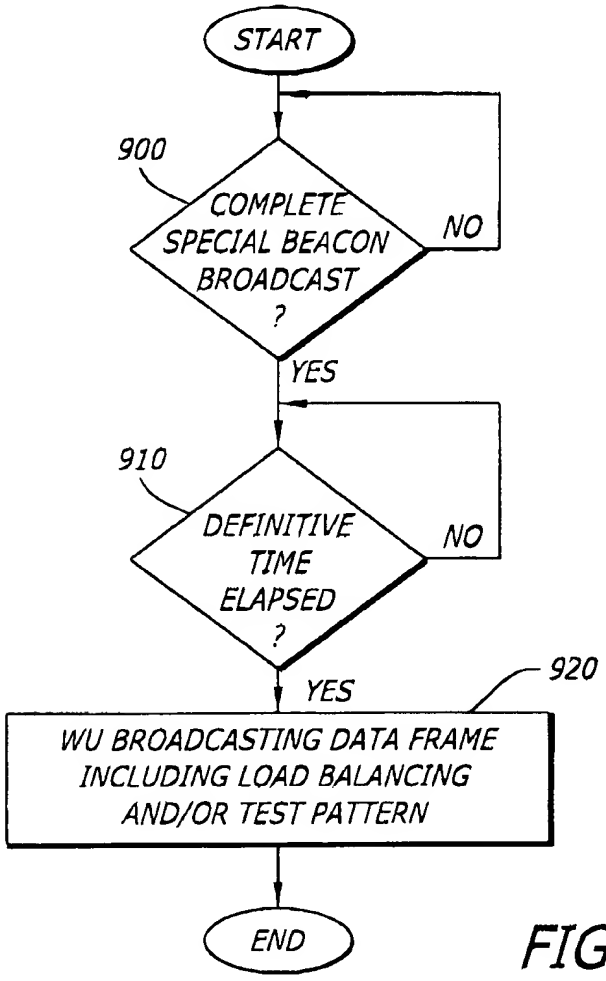
START
900
COMPLETE SPECIAL BEACON BROADCAST ?
NO
YES
910
DEFINITIVE TIME ELAPSED ?
NO
YES
920
WU BROADCASTING DATA FRAME INCLUDING LOAD BALANCING AND/OR TEST PATTERN
END

FIG. 9

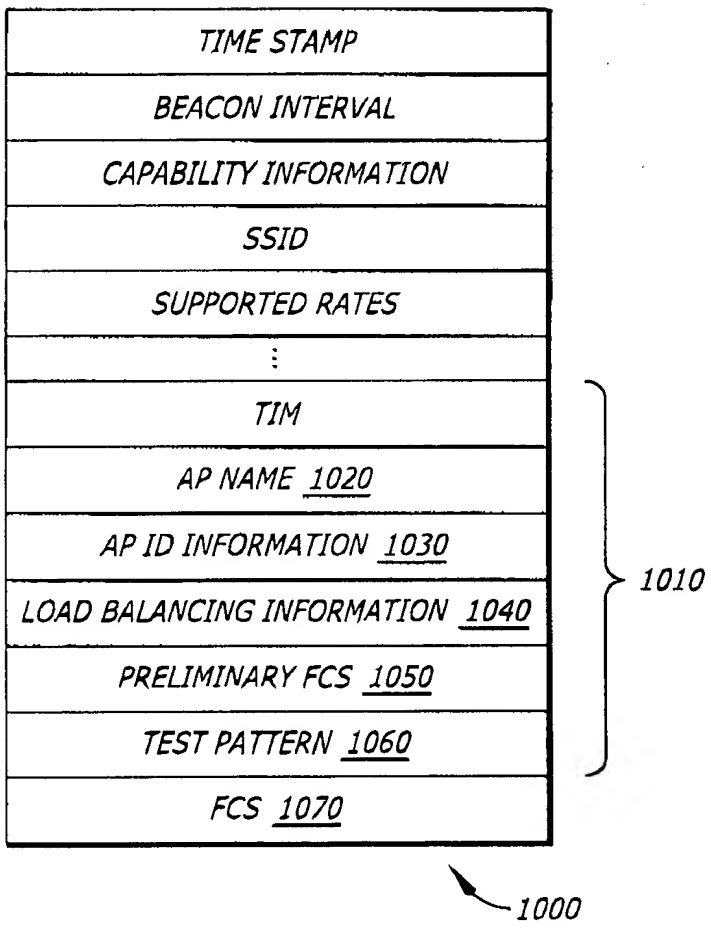
TIME STAMP
BEACON INTERVAL
CAPABILITY INFORMATION
SSID
SUPPORTED RATES
TIM
AP NAME 1020
AP ID INFORMATION 1030
LOAD BALANCING INFORMATION 1040
PRELIMINARY FCS 1050
TEST PATTERN 1060
FCS 1070
1010
1000

FIG. 10